

AMENDED CLAIMS IN CLEAN FORM

a¹ 1. (Amended) A fuel, useful as a diesel fuel comprising a Fischer-Tropsch derived hydrocarbon distillate having $338^{\circ}\text{C} < T_{90} < 538^{\circ}\text{C}$ and a cold filter plugging point of less than or equal to $+5^{\circ}\text{C}$.

13. (Amended) A method of reducing smoke during operation of a diesel engine comprising combusting a Fischer-Tropsch derived hydrocarbon distillate having $338^{\circ}\text{C} < T_{90} < 538^{\circ}\text{C}$ and containing;

a² <10 wppm Sulfur, Nitrogen

<2% aromatics

<0.1% polyaromatics

wherein the cold filter plugging point of the distillate is less than or equal to $+5^{\circ}\text{C}$.

19. (Amended) A method according to claim 13 wherein the hydrocarbon distillate contains:

a³ <5 wppm Sulfur, Nitrogen

<1 wt.% aromatics

<0.1wt.% polyaromatics

and has a cetane number greater than 65.

20. (Amended) A method according to claim 19 wherein the hydrocarbon distillate contains:

a⁴ <1 wppm Sulfur, Nitrogen

<0.1 wt % aromatics

<0.1 wt % polyaromatics

and has a cetane number greater than 70.

U. S. Serial No. 09/922,321

21. (Amended) A method of making a fuel of claim 1, the method comprising:

(a) passing a 149 °C+ Fischer-Tropsch derived hydrocarbon fraction into a first reaction zone comprising a hydroisomerization catalyst;

(b) hydroisomerizing the 149 °C+ fraction over the hydroisomerization catalyst to form a first effluent;

(c) passing at least a portion of liquid product from the first effluent into a second reaction zone comprising a catalytic dewaxing catalyst;

(d) dewaxing the first effluent over the dewaxing catalyst to form a second effluent; and

(e) distilling the second effluent to recover a hydrocarbon product with a $338^{\circ}\text{C} < T_{90} < 538^{\circ}\text{C}$ and a cold filter plugging point of less than or equal to $+5^{\circ}\text{C}$.

22. (Amended) A method according to claim 21 wherein the hydrocarbon distillate contains:

<1 wppm Sulfur, Nitrogen

<0.1 wt % aromatics

<0.1 wt % polyaromatics

and has a cetane number greater than 65.
